

P29478.A03

Application No. 10/574,837



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Mitsuhiro HORIO et al.

Group Art Unit : Not Yet Assigned

Appl. No. : 10/574,837

(U.S. National Stage of PCT/JP2004/014925)

Examiner : Not Yet Assigned

I.A. Filed : October 8, 2004

Confirmation No. : 5021

For : POLYOXYMETHYLENE RESIN COMPOSITION AND MOLDINGS
THEREOF

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Service Window, Mail Stop AMENDMENT
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §§ 1.56 and 1.97-1.98, Applicants hereby bring the following information to the attention of the Examiner in charge of the above-identified application, which includes information cited and discussed in the specification and an International Search Report issued in connection with International Patent Application No.

PCT/JP2004/014925, of which the present application is the U.S. National Stage Application. A copy of the International Search Report (in English and Japanese) was enclosed with the papers when entering the U.S. National Stage on April 6,

2006. The Examiner is invited to review these materials to inspect the relevance indicated during international examination with respect to the documents cited therein. The following is a list of the documents cited in the above-noted documents:

- (1) Japanese Laid-open Patent Publication No. 2001-226558 A, together with an English language Abstract of the same.
- (2) Japanese Laid-open Patent Publication No. 2002-256134 A, together with an English language Abstract of the same, and patent family member U.S. Patent Application Publication No. 2002/0123570 A1 to KUDOU et al., which was published on September 5, 2002.
- (3) Japanese Laid-open Patent Publication No. 2004-002816 A, together with an English language Abstract of the same.
- (4) International Patent Application Publication No. WO 01/09213 A1, together with an English language Abstract of the same, and patent family member U.S. Patent Application Publication No. 2002/0016395 A1 to NIINO et al., which was published on February 7, 2002, and U.S. Patent No. 6,777,487 B2 to NIINO et al., which issued on August 17, 2004.
- (5) Japanese Laid-open Patent Publication No. SHO 59-155453 A, together with a partial English language translation thereof.
- (6) U.S. Patent No. 4,804,716 to FLEXMAN Jr., which issued on February 14, 1989.

- (7) Japanese Laid-open Patent Publication No. SHO 59-145243 A, and family member U.S. Patent No. 4,978,725 to RESKE et al., which issued on December 18, 1990.
- (8) Japanese Laid-open Patent Publication No. SHO 54-155248 A, and family member U.S. Patent No. 4,277,577 to BURG et al., which issued on July 7, 1981.
- (9) Japanese Laid-open Patent Publication No. SHO 62-036451 A, and family member U.S. Patent No. 4,665,126 to KUSUMGAR et al., which issued on May 12, 1987.
- (10) Japanese Laid-open Patent Publication No. SHO 63-280758 A, together with an English language Abstract thereof, and family member European Patent Publication No. EP 0 290 761 A2.
- (11) Japanese Laid-open Patent Publication No. HEI 9-310017 A, together with an English language Abstract of the same.

Applicants note that documents (5) – (11) are cited on pages 2 and 4 of the specification of the present application.

- (12) Japanese Laid-open Patent Publication No. 2002-1944178 A, and family member U.S. Patent No. 6,750,287 to DOKI et al., which issued on June 15, 2004.
- (13) International Patent Publication No. WO 03/035705 A1, together with an English language Abstract thereof.

Applicants note that documents (12) and (13) are cited on pages 3 and 4 of

the specification of the present application.

- (14) Japanese Laid-open Patent Publication No. SHO 42-8704, together with a partial English language translation thereof.
- (15) Japanese Laid-open Patent Publication No. SHO 43-6636, together with a partial English language translation thereof.
- (16) Japanese Laid-open Patent Publication No. SHO 60-220147 A, together with an English language Abstract thereof, and family member U.S. Patent No. 4,673,714 to KISHIMOTO et al., which issued on June 16, 1987.
- (17) Japanese Laid-open Patent Publication No. SHO 61-033132 A, together with an English language Abstract thereof.
- (18) Japanese Laid-open Patent Publication No. SHO 62-207303 A, together with an English language Abstract thereof.
- (19) GB 1,020,720.
- (20) U.S. Patent No. 3,333,024 to HAEFELE et al., which issued on July 25, 1967.
- (21) U.S. Patent No. 4,501,857 to KISHIMOTO et al., which issued on February 26, 1985.
- (22) Japanese Laid-open Patent Publication No. HEI 8-109219 A, together with an English language Abstract thereof.

Applicants note that documents (14) – (22) are cited on page 30 of the specification of the present application.

- (23) Japanese Laid-open Patent Publication No. SHO 52-36898, and family member U.S. Patent No. 3,865,897 to FALENDER et al., which issued on February 11, 1975.
- (24) Japanese Laid-open Patent Publication No. SHO 56-1201 B2, and family member U.S. Patent No. 4,252,915 to BARTOS, which issued on February 24, 1981.
- (25) Japanese Laid-open Patent Publication No. HEI 1-230652 A, together with an English language Abstract of the same.

Applicants note that documents (23) – (25) are cited on page 38 of the specification of the present application.

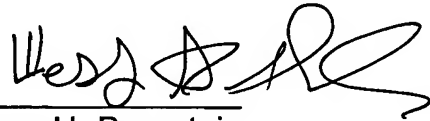
Further to 37 C.F.R. §1.98 (a)(2)(ii), copies of the U.S. patents and patent applications are not enclosed herewith. However, if any copy is needed, the Examiner is respectfully requested to contact the undersigned.

Applicants respectfully request that the Examiner consider the above material and cite the same. Copies of the above-noted foreign documents are attached hereto, and all of the above-noted documents are listed on an attached PTO-1449 Form. The Examiner is requested to initial the appropriate spaces on the attached Form and to return a copy of the completed Form to Applicants with the next official communication in the present application.

Applicants note that an Office Action on the merits has not issued in the present application, and thus no fee is believed necessary to ensure consideration of the submitted material.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully Submitted,
Mitsuhiro HORIO et al.



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FORM PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P29478Application No.
10/574,837INFORMATION DISCLOSURE STATEMENT
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(Use several sheets if necessary)

Applicant
Mitsuhiro HORIO et al.Filing Date
I.A. Filed October 8, 2004Group
Not Yet Assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2002 /	0 1 2 3 5 7 0	09/05/02	KUDOU et al.			
	2002 /	0 0 1 6 3 9 5	02/07/02	NIINO et al.			
		6 7 7 7 4 8 7	08/17/04	NIINO et al.			
		4 8 0 4 7 1 6	02/14/89	FLEXMAN Jr.			
		4 9 7 8 7 2 5	12/18/90	RESKE et al.			
		4 2 7 7 5 7 7	07/07/81	BURG et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	2001	- 2 2 6 5 5 8	08/21/01	JAPAN				
	2002	- 2 5 6 1 3 4	09/11/02	JAPAN				
	2004	- 0 0 2 8 1 6	01/08/04	JAPAN				
	0	1 / 0 9 2 1 3	02/08/01	W.I.P.O.				
	59	- 1 5 5 4 5 3	09/04/84	JAPAN				
	59	- 1 4 5 2 4 3	08/20/84	JAPAN				
	54	- 1 5 5 2 4 8	12/07/79	JAPAN				
	62	- 0 3 6 4 5 1	02/17/87	JAPAN				
	63	- 2 8 0 7 5 8	11/17/88	JAPAN				
		0 2 9 0 7 6 1	11/17/88	E.P.O.				
	9	- 3 1 0 0 1 7	12/02/97	JAPAN				
	2002	- 1 9 4 1 7 8	07/10/02	JAPAN				
	03	/ 0 3 5 7 0 5	05/01/03	W.I.P.O.				
	42	- 0 0 8 7 0 4	04/20/42	JAPAN				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	English Language Abstract of JP 2001-226558.
	2	English Language Abstract of JP 2002-256134.
	3	English Language Abstract of JP 2004-002816.
	4	English Language Abstract of WO 01/09213.
	5	Partial English Language Translation of JP 59-155453.
	6	English Language Abstract of JP 63-280758.
	7	English Language Abstract of JP 9-310017.
	8	English Language Abstract of JP 2002-194178.
	9	English Language Abstract of WO 03/035705.
	10	Partial English Language Translation of JP 42-008704.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P29478Application No.
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 6 6 5 1 2 6	05/12/87	KUSUMGAR et al.			
		6 7 5 0 2 8 7	06/15/04	DOKI et al.			
		4 6 7 3 7 1 4	06/16/87	KISHIMOTO et al.			
		3 3 3 3 0 2 4	07/25/67	HAEFELE et al.			
		4 5 0 1 8 5 7	02/26/85	KISHIMOTO et al.			
		3 8 6 5 8 9 7	02/11/75	FALENDER et al.			
		4 2 5 2 9 1 5	02/24/81	BARTOS			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	4 3	- 0 0 6 6 3 6	03/12/68	JAPAN			
	6 0	- 2 2 0 1 4 7	11/02/85	JAPAN			
	6 1	- 0 3 3 1 3 2	02/17/86	JAPAN			
	6 2	- 2 0 7 3 0 3	09/11/87	JAPAN			
		1 0 2 0 7 2 0	02/23/66	UNITED KINGDOM			
	8	- 1 0 9 2 1 9	04/30/96	JAPAN			
	5 2	- 0 3 6 8 9 8	09/19/77	JAPAN			
	5 6	- 0 0 1 2 0 1	01/12/81	JAPAN			
	1	- 2 3 0 6 5 2	09/14/89	JAPAN			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	11	Partial English Language Translation of JP 43-006636.
	12	English Language Abstract of JP 60-220147.
	13	English Language Abstract of JP 61-033132.
	14	English Language Abstract of JP 62-207303.
	15	English Language Abstract of JP 8-109219.
	16	English Language Abstract of JP 1-230652.

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